



PCT

RAW SEQUENCE LISTING

DATE: 10/08/2004

PATENT APPLICATION: US/10/509,767

TIME: 11:43:06

Input Set : A:\X15478 National.ST25.txt

Output Set: N:\CRF4\10082004\J509767.raw

3 <110> APPLICANT: Jaskunas, Stanley Richard
 4 Li, De-Shan
 5 Liu, Ling
 6 Zeng, Wei
 8 <120> TITLE OF INVENTION: Use of Resistin to Treat Hematopoietic Disorders
 10 <130> FILE REFERENCE: X15478
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/509,767
 C--> 12 <141> CURRENT FILING DATE: 2004-09-28
 12 <160> NUMBER OF SEQ ID NOS: 14
 14 <170> SOFTWARE: PatentIn version 3.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 327
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Homo sapiens
 21 <220> FEATURE:
 22 <221> NAME/KEY: misc_feature
 23 <222> LOCATION: (1)..(327)
 24 <223> OTHER INFORMATION: Human Resistin Polynucleotide
 27 <400> SEQUENCE: 1
 28 atgaaagctc tctgtctcct cctcctccct gtcctggggc tgttggtgtc tagcaagacc 60
 30 ctgtgctcca tggaagaagc catcaatgag aggatccagg aggtcgccgg ctccctaata 120
 32 tttagggcaa taagcagcat tggcctggag tgccagagcg tcacctccag gggggacctg 180
 34 gctacttgcc cccgaggctt cgccgtcacc ggctgcactt gtggctccgc ctgtggctcg 240
 36 tgggatgtgc gcgccgagac cacatgtcac tgccagtgcg cgggcatgga ctggaccgga 300
 38 gcgcgtgct gtcgtgtgca gccctga 327
 41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 108
 43 <212> TYPE: PRT
 44 <213> ORGANISM: Homo sapiens
 46 <220> FEATURE:
 47 <221> NAME/KEY: MISC_FEATURE
 48 <222> LOCATION: (1)..(108)
 49 <223> OTHER INFORMATION: Human Resistin Polypeptide
 52 <400> SEQUENCE: 2
 54 Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
 55 1 5 10 15
 58 Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
 59 20 25 30
 62 Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
 63 35 40 45
 66 Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
 67 50 55 60
 70 Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser

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71 65          70          75          80
74 Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
75          85          90          95
78 Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
79          100          105
82 <210> SEQ ID NO: 3
83 <211> LENGTH: 90
84 <212> TYPE: PRT
85 <213> ORGANISM: Homo sapiens
87 <220> FEATURE:
88 <221> NAME/KEY: MISC_FEATURE
89 <222> LOCATION: (1)..(90)
90 <223> OTHER INFORMATION: Mature Human Resistin Polypeptide
93 <400> SEQUENCE: 3
95 Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile Gln Glu
96 1          5          10          15
99 Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly Leu Glu
100          20          25          30
103 Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro Arg Gly
104          35          40          45
107 Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser Trp Asp
108          50          55          60
111 Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met Asp Trp
112 65          70          75          80
115 Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
116          85          90
119 <210> SEQ ID NO: 4
120 <211> LENGTH: 108
121 <212> TYPE: PRT
122 <213> ORGANISM: Homo sapiens
124 <220> FEATURE:
125 <221> NAME/KEY: MISC_FEATURE
126 <222> LOCATION: (1)..(108)
127 <223> OTHER INFORMATION: Human Resistin Allelic Variant
130 <400> SEQUENCE: 4
132 Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
133 1          5          10          15
136 Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
137          20          25          30
140 Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
141          35          40          45
144 Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
145          50          55          60
148 Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
149 65          70          75          80
152 Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
153          85          90          95
156 Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
157          100          105

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Input Set : A:\X15478 National.ST25.txt

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160 <210> SEQ ID NO: 5
161 <211> LENGTH: 108
162 <212> TYPE: PRT
163 <213> ORGANISM: Homo sapiens
165 <220> FEATURE:
166 <221> NAME/KEY: MISC_FEATURE
167 <222> LOCATION: (1)..(108)
168 <223> OTHER INFORMATION: Human Resistin Allelic Variant
171 <400> SEQUENCE: 5
173 Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
174 1 5 10 15
177 Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
178 20 25 30
181 Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
182 35 40 45
185 Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
186 50 55 60
189 Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
190 65 70 75 80
193 Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
194 85 90 95
197 Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
198 100 105
201 <210> SEQ ID NO: 6
202 <211> LENGTH: 108
203 <212> TYPE: PRT
204 <213> ORGANISM: Homo sapiens
206 <220> FEATURE:
207 <221> NAME/KEY: MISC_FEATURE
208 <222> LOCATION: (1)..(108)
209 <223> OTHER INFORMATION: Human Resistin Allelic Variant
212 <400> SEQUENCE: 6
214 Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
215 1 5 10 15
218 Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
219 20 25 30
222 Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
223 35 40 45
226 Arg Gly Ser Glu Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
227 50 55 60
230 Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
231 65 70 75 80
234 Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
235 85 90 95
238 Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
239 100 105
242 <210> SEQ ID NO: 7
243 <211> LENGTH: 107
244 <212> TYPE: PRT

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Input Set : A:\X15478 National.ST25.txt

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245 <213> ORGANISM: Homo sapiens
 247 <220> FEATURE:
 248 <221> NAME/KEY: MISC_FEATURE
 249 <222> LOCATION: (1)..(107)
 250 <223> OTHER INFORMATION: Human Resistin Allelic Variant
 253 <220> FEATURE:
 254 <221> NAME/KEY: MISC_FEATURE
 255 <222> LOCATION: (48)..(48)
 256 <223> OTHER INFORMATION: Xaa=Arg or Leu
 259 <220> FEATURE:
 260 <221> NAME/KEY: MISC_FEATURE
 261 <222> LOCATION: (49)..(49)
 262 <223> OTHER INFORMATION: Xaa=Gly or Glu
 265 <220> FEATURE:
 266 <221> NAME/KEY: MISC_FEATURE
 267 <222> LOCATION: (50)..(50)
 268 <223> OTHER INFORMATION: Xaa=Cys or Ser
 271 <220> FEATURE:
 272 <221> NAME/KEY: MISC_FEATURE
 273 <222> LOCATION: (51)..(51)
 274 <223> OTHER INFORMATION: Xaa=Gln or Glu
 277 <400> SEQUENCE: 7
 279 Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
 280 1 5 10 15
 283 Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Gln
 284 20 25 30
 W--> 287 Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly Xaa
 288 35 40 45
 291 Xaa Xaa Xaa Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro Arg
 292 50 55 60
 295 Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser Trp
 296 65 70 75 80
 299 Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met Asp
 300 85 90 95
 303 Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
 304 100 105
 307 <210> SEQ ID NO: 8
 308 <211> LENGTH: 39
 309 <212> TYPE: DNA
 310 <213> ORGANISM: Artificial Sequence
 312 <220> FEATURE:
 313 <223> OTHER INFORMATION: Synthetic Construct
 315 <400> SEQUENCE: 8
 316 gatcggcgcg ccagccacca tgaaagctct ctgtctcct
 319 <210> SEQ ID NO: 9
 320 <211> LENGTH: 29
 321 <212> TYPE: DNA
 322 <213> ORGANISM: Artificial Sequence
 324 <220> FEATURE:

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RAW SEQUENCE LISTING

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Input Set : A:\X15478 National.ST25.txt

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325 <223> OTHER INFORMATION: Synthetic Construct
327 <400> SEQUENCE: 9
328 cgcgatatcg ggctgcacac gacagcagc 29
331 <210> SEQ ID NO: 10
332 <211> LENGTH: 21
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial Sequence
336 <220> FEATURE:
337 <223> OTHER INFORMATION: Synthetic Construct
339 <400> SEQUENCE: 10
340 agccatcaat gagaggatcc a 21
343 <210> SEQ ID NO: 11
344 <211> LENGTH: 20
345 <212> TYPE: DNA
346 <213> ORGANISM: Artificial Sequence
348 <220> FEATURE:
349 <223> OTHER INFORMATION: Synthetic Construct
351 <400> SEQUENCE: 11
352 tccaggccaa tgctgcttat 20
355 <210> SEQ ID NO: 12
356 <211> LENGTH: 24
357 <212> TYPE: DNA
358 <213> ORGANISM: Artificial Sequence
360 <220> FEATURE:
361 <223> OTHER INFORMATION: Synthetic Construct
363 <400> SEQUENCE: 12
364 tcgccggctc ctaatattta gggc 24
367 <210> SEQ ID NO: 13
368 <211> LENGTH: 114
369 <212> TYPE: PRT
370 <213> ORGANISM: rattus sp.
372 <220> FEATURE:
373 <221> NAME/KEY: MISC_FEATURE
374 <222> LOCATION: (1)..(114)
375 <223> OTHER INFORMATION: Rat resistin protein
378 <400> SEQUENCE: 13
380 Met Lys Asn Leu Ser Phe Leu Leu Leu Phe Leu Phe Phe Leu Val Leu
381 1 5 10 15
384 Gly Leu Leu Gly Pro Ser Met Ser Leu Cys Pro Met Asp Glu Ala Ile
385 20 25 30
388 Ser Lys Lys Ile Asn Gln Asp Phe Ser Ser Leu Leu Pro Ala Ala Met
389 35 40 45
392 Lys Asn Thr Val Leu His Cys Trp Ser Val Ser Ser Arg Gly Arg Leu
393 50 55 60
396 Ala Ser Cys Pro Glu Gly Thr Thr Val Thr Ser Cys Ser Cys Gly Ser
397 65 70 75 80
400 Gly Cys Gly Ser Trp Asp Val Arg Glu Asp Thr Met Cys His Cys Gln
401 85 90 95
404 Cys Gly Ser Ile Asp Trp Thr Ala Ala Arg Cys Cys Thr Leu Arg Val

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/509,767

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Input Set : A:\X15478 National.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 48, 49, 50, 51

VERIFICATION SUMMARY

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Input Set : A:\X15478 National.ST25.txt

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L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:32

M:341 Repeated in SeqNo=7